

OCR's GCSE (9–1) in Computer Science (J277)

What are the units:

J277/01: Computer systems This component will assess:	J277/02: Computational thinking, algorithms and programming This component will assess:
1.1 Systems architecture	2.1 Algorithms
1.2 Memory and storage	2.2 Programming fundamentals
1.3 Computer networks, connections and protocols	2.3 Producing robust programs
1.4 Network security	2.4 Boolean logic
1.5 Systems software	2.5 Programming languages and Integrated Development Environments
1.6 Ethical, legal, cultural and environmental impacts of digital technology	

There are two written examinations at the end of the course, each worth 50%. These examinations are intended to test the knowledge and understanding acquired during the period of the course. We also have to do 20 hours of programming which in we teach you so you can program a project by yourself.

Who should do the course:

1. This course is for those who are seriously considering a career in computer system development, computer programming or computer game development, and wish to study the subject in more depth.
2. They will consider progressing on to an A Level Computer Science course and possibly studying the subject at degree level
3. It is for students who have a keen interest not just in using computers, but in developing systems and finding out more about how computers can be programmed to work differently.

What can the lesson be like?

They are a mixture of theory and practical. That is both for programming and subject knowledge parts.

Why should you do Computer Science?

We are currently living in the digital age. Computer Science will help you learn about critical thinking, analysis and problem-solving. These skills can be developed further and transferred to other subjects in everyday life.

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